

Vanceva® SolarPro

Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated in OPTICSv6 and WINDOW 6.3 using standard NFRC/ASHRAE conditions.

Configuration: Laminated Glass with Vanceva® #000H interlayer				
3 mm (1/8 inch) clear				
- Vanceva® #000H ; 0.38 mm (0.015 inch) -				
3 mm (1/8 inch) clear				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	59	U factor W/m2-K(Btu/hr-ft2-F)	5.72	1.01
Reflectance Solar (front) %	9	Shading Coefficient	0.79	0.79
Reflectance Solar (back) %	9	Solar Heat Gain Coefficient (SHGC; g)	0.69	0.69
Visible Light Transmittance %	61	Relative Heat Gain W/m2 (Btu/hr-ft2)	539	171
Visible Reflectance (front) %	9	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	9	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar) %	33	GST Outboard 32°C (89.6°F)	49	120
Tdw-K	0.22	GST Inboard 24°C (75.2°F)	42	107
Tdw-ISO	0.44	Light to Solar Gain (LSG)	0.89	
Tuv %	<1	Effective Aperture	30%=0.026	80%=0.052

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.48	2.80	82.45	-2.60	-1.64
Reflectance	0.48	4.49	35.11	-1.89	-1.49
R (Transmittance)	198				
G (Transmittance)	207				
B (Transmittance)	207				
Color Rendering Index (Transmittance)	95				

Data reported in metric (SI) units with Inch Pound (IP) standard units calculated. GST: Glass surface temperatures - provided for inboard and outboard glass for conditions noted including standard wind conditions.

For specification purposes color consists of 1 Vanceva® color layers and is referenced as Vanceva® Interlayer Color #000H.

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730 Worcester Street | Springfield, MA 01151
413.730.3413 | glazing@eastman.com

Prepared by: u212555

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